CPTO

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CANCEL CLAIMS 1-12

13. A method referred to as COBRA for the labelling of a set
of at least two bio-organic molecules with a set of at least
two colours, comprising generating said set of colours
through combining ratio labelling with binary labelling.

14. A method according to claim 13, wherein the total number
of distinguishable colours of said combination can, at least
in the case wherein two fluorophores are simultaneously used
per target, be calculated according to the formula I

I: No. of colours = (n +((r x n)/(2 x (n - 2)!))) x 2^m

wherein n is the number of fluorophores used for ratio
labelling, m is the number of fluorophores used to binary
label the same target, and r is the number of ratios that is
resolved by ratio labelling.

with : $2 \leq n \leq \infty$,

           $0 \leq r \leq \infty$

           $0 \leq m \leq \infty$

15. A method according to claim 13 or claim 14, wherein at
least one of said bio-organic molecules comprises nucleic
acid, protein, carbohydrate and/or lipid.

CANCEL CLAIMS 16-23